

FASEB SUMMER RESEARCH CONFERENCES
PROPOSED PROGRAM

CONFERENCE ON: Neural Mechanisms in Cardiovascular Regulation

Dates of Conference: June 10-15, 1990

CHAIRPERSON: Vernon S. Bishop, Ph.D.

Affiliation: Pharmacology
University of Texas Health Science Center at San Antonio

VICE-CHAIRPERSON: Donald J. Reis, M.D. (Neurobiology)

Affiliation: Cornell University Medical College in New York

SESSION 1 - Date: Monday, June 11, 1990

9:00 a.m. - 12:00 a.m.

Topic: ADVANCES IN NEUROANATOMICAL METHODOLOGY FOR DECIPHERING CNS
AUTONOMIC PATHWAYS

Discussion leader(s) (optional): Arthur D. Loewy, Ph.D.

Speakers: 1. John Cabot, Ph.D. (Neurobiol & Behavior) SUNY New York
Alison Strack, Ph.D. (Anatomy & Neurobiol) Washington Univ. Sch Med
2. Richard Hume, Ph.D. (Biology) Univ of Michigan
Paul Sawchenko, Ph.D., Salk Institute
3. Teresa A. Milner, Ph.D. (Lab of Neurobiol) Cornell Univ Sch Med

SESSION 2 - Date: Monday, June 11, 1990

7:30 p.m. - 10:00 p.m.

Topic: ELECTROPHYSIOLOGIC TECHNIQUES: OLD AND NEW APPROACHES

Discussion leader(s) (optional): Robert Felder

Speakers: 1. Steven Mifflin, Ph.D. (Pharmacology) Univ of Texas Hlth Sci Ctr
San Antonio, TX
Gerard Gebber, Ph.D. (Pharmacol & Toxicology) Michigan State
2. Jean Champagnat, Ph.D. (Physiologie Nerveuse) France
Diana Kunze, Ph.D. (Physiol & Biophyscis) Baylor Coll of Med, TX
3. George Gerstein, Ph.D. (Physiology) Univ of Pennsylvania

SESSION 3 - Date: Tuesday, June 12, 1990

9:00 a.m. - 12:00 a.m.

Topic: CARDIORESPIRATORY INTEGRATION

Discussion leader(s) (optional): Shaun Morrison

Speakers: 1. M. Myers, New York Psychiatric Institute
D. Millhorn, University of North Carolina
2. S. Barman, Michigan State University
3. R. Frysinger, Univ of California, Los Angeles

SESSION 4 - Date: Tuesday, June 12, 1990

7:30 p.m. - 10:00 p.m.

Topic: SPINAL AND SUPRASPINAL REGULATION OF SYMPATHETIC ACTIVITY

Discussion leader(s) (optional): Lawrence P. Schramm, Ph.D.

- Speakers: 1. Michael Gilbey, Ph.D., Royal Free Hospital Sch Med., London
2. Lawrence Schramm, Ph.D. (Biomed Engineer & Neurosci) Johns Hopkins
3. John W. Osborn, Ph.D., University of Minnesota

SESSION 5 - Date: Wednesday, June 13, 1990

9:00 a.m. - 12:00 a.m.

Topic: NEURAL REGULATION OF THE EXERCISE RESPONSE

Discussion leader(s) (optional): Loring B. Rowell, Ph.D.

- Speakers: 1. Loring B. Rowell, Ph.D. (Physiol & Biophys) Univ Washington Sch Med
2. Tony Waldrop, Ph.D. (Physiol & Biophys) Univ of Illinois
Don Sheriff, Ph.D. (Biomed Engineer) Johns Hopkins Univ Sch Med
Marc Kauffman, Ph.D. (Cardiovasc Med) Univ of California
3. Ron Victor, M.D. (Internal Med) Univ Tex Hlt Sci Ctr at Dallas

SESSION 6 - Date: Wednesday, June 13, 1990

7:30 p.m. - 10:00 p.m.

Topic: STRESS AND CARDIOVASCULAR REGULATION: PATHWAYS FOR THE TRANSLATION OF ENVIRONMENTAL STRESSORS INTO CARDIOVASCULAR DISEASE

Discussion leader(s) (optional): A. Kim Johnson, Ph.D.

- Speakers: 1. Joseph LeDoux, Ph.D. (Ctr for Neuroscience) New York Univ.
Robert Kirby, Ph.D. (Cardiovasc Ctr), University of Iowa
2. Richard Verrier, Ph.D. (Pharmacology) Georgetown University
3. John Koepke, Ph.D. (Searle Res & Develop) Searle Co (Pharmacology)
Washington University

SESSION 7 - Date: Thursday, June 14, 1990

9:00 a.m. - 12:00 a.m.

Topic: INTERACTIONS BETWEEN NEURAL AND LOCAL VASCULAR MECHANISMS

Discussion leader(s) (optional): James E. Faber, Ph.D.

- Speakers: 1. James E. Faber, Ph.D. (Physiology) Univ North Carolina Sch Med
Julian Lombard, Ph.D. (Physiology) Univ of Wisconsin
2. C. Aalkjaer, Ph.D. (Institute of Biophysics) Aarhus, Denmark
N.A. Flavahan, (Physiology) Mayo Clinic
3. B. Fleming, (Physiology) University of Kentucky

SESSION 8 - Date: Thursday, June 14, 1990

7:30 p.m. - 10:00 p.m.

Topic: POSTERS

Discussion leader(s) (optional): Frank Gordon, Ph.D. (Pharmacology)
Emory University School of Med, Georgia

Speakers: 1. _____
2. _____
3. _____

SESSION 9 - Date: Friday, June 15, 1990

9:00 a.m. - 11:30 a.m.

Topic: CENTRAL NERVOUS SYSTEM AND CARDIOVASCULAR DISEASES: HYPERTENSION
AS A MODEL SYSTEM

Discussion leader(s) (optional): Joseph R. Haywood, Ph.D.

Speakers: 1. Thomas C. Westfall, Ph.D., St. Louis University
2. Robert McCall, Upjohn Company
3. J. DiMicco Indiana University

ABSTRACT

1990 **FASEB** SUMMER RESEARCH CONFERENCE, Saxtons River, Vermont

The proposed conference is the fourth in a series of FASEB (Federation of American Societies of Experimental Biology) Conferences that started in 1982 on Neural Mechanisms in Cardiovascular Regulation. The three previous conferences have been successful as judged by the attendance (to the full limit of available accommodations) and the comments made by participants to the FASEB office. In response to suggestions of participants to previous conferences the format of the proposed conference will be further improved. To facilitate discussion speakers and discussants will prepare brief summaries of their contributions, including the hypotheses which are fundamental to the questions being considered. These summaries will be circulated in advance to all participants so that the themes of the meeting will be focused on the areas of consensus as well as on the questions for which additional experimental and conceptual approaches are needed for progress. In the past few years significant progress has been made in this area by using different experimental techniques. The major conceptual theme of the conference will be the correlation of contributions from different experimental approaches to the understanding of the neural mechanisms in cardiovascular regulation. It will be the purpose of this conference to summarize the major areas of progress during the past 3-5 years, and to point the way to those areas which should prove productive for research in the immediate future. The conference will include a limited number of formal presentations with emphasis being placed on discussion and informal interchanges. Ample use will be made of poster presentations and a specific session will be devoted to a discussion of the material presented on the posters. This conference has become a major meeting which attracts the leading research workers from around the world. In allowing scientists of diverse backgrounds to focus on the neural mechanisms of cardiovascular regulation for a week, this conference should help to open new areas for research as well as to provide a meaningful re-examination of previously accepted ideas.

Vernon S. Bishop, Ph.D.

Conference Chairman
(Professor)

Pharmacology
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Donald J. Reis, M.D.

Conference Vice-Chairman
(Director)

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